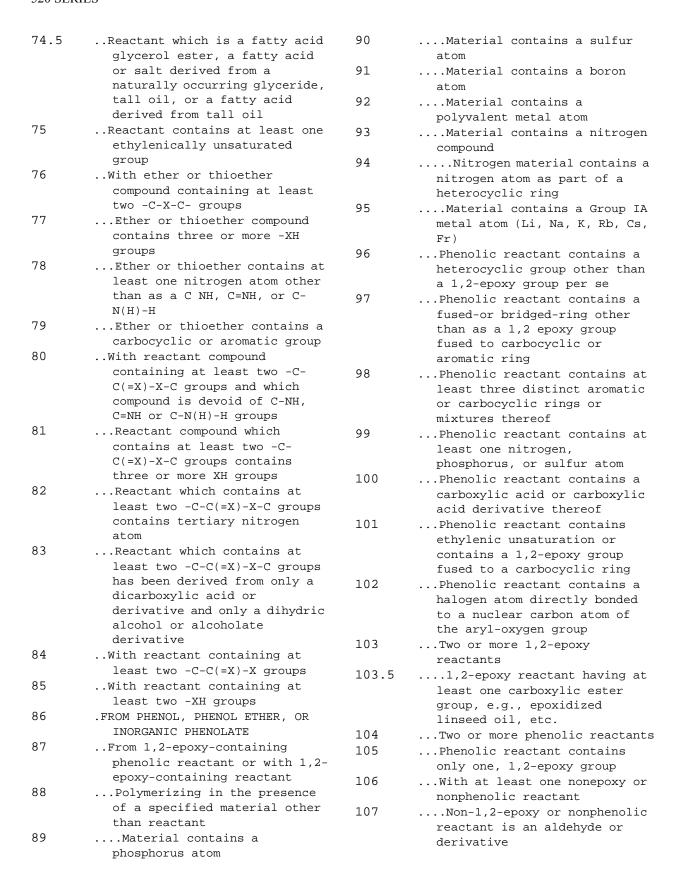
		19	Material contains a heavy
	ass 528 is considered to be an		metal atom
integral part of Class 520 (see the Class 520 schedule for the position of this		20	Material contains an alcohol,
		0.1	alcoholate, or ether compound
	n schedule hierarchy). This Class all pertinent definitions and	21	Material is a nitrogen- containing compound
class li	nes of Class 520	22	Nitrogen-containign silicon
			compound
		23	Material contains a phosphorus
			or sulfur atom
	SYNTHETIC RESINS (CLASS 520,	24	Material contains a compound
1	SUBCLASS 1)		having an 0-0 group, e.g., peroxide, etc.
1	.FROM PLANT MATERIAL OF UNKNOWN	25	With organic silicon-free
0	CONSTITUTION	25	reactant
2	From cashew material with a	26	Organic Si-free reactant is a
2	sulfur-containing reactant	20	carboxylic acid or derivative
3	From cashew material with an	26.5	Reactant which is a fatty
4	aldehyde or derivative	20.5	acid glycerol ester, a fatty
4	.FROM BORON REACTANT HAVING AT LEAST ONE BORON TO HYDROGEN OR		acid or salt derived from a
	BORON TO CARBON BOND		naturally occurring glyceride,
5	Boron reactant contains a		tall oil, or a fatty acid
3	silicon atom		derived from tall oil
6	Boron reactant contains a	27	Organic Si-free reactant
· ·	phosphorus atom		contains a heterocyclic ring
7	Boron reactant contains a	28	Organic Si-free reactant is a
	nitrogen atom		nitrogen-containing compound
8	Boron reactant contains a boron	29	Organic Si-free reactant is an
	atom bonded to at least one		alcohol or alcoholate
	atom of oxygen	30	From silicon-containing
9	.FROM HEAVY METAL OR ALUMINUM		reactant having at least one
	REACTANT HAVING AT LEAST ONE		polyvalent atom other than
	HYDROGEN-TO-HEAVY METAL OR -	31	carbon, oxygen, or nitrogenSilicon reactant contains a
	ALUMINUM BOND OR AT LEAST ONE	31	silicon-to-hydrogen bond
	CARBON-TO-HEAVY METAL OR - ALUMINUM BOND	32	Silicon reactant contains an
10	.FROM SILICON REACTANT HAVING AT	32	ethylenically unsaturated
10	LEAST ONE SILICON-TO-HYDROGEN		group
	OR -CARBON BOND	33	Silicon reactant contains two
12	Polymerizing in the pressence		or more silicon atoms
	of a specified material other	34	With silicon reactant
	than a reactant		containing a single silicon
13	Material is a boron-containing		atom
	material	35	Silicon reactamt contains only
14	Material is a metal-containing		carbon atom, only a carbon
	material		chain, or chain of carbon and
15	Material contains a Group		oxygen atoms only between two
	VIII metal atom	26	silicon atoms
16	Material contains a Group	36	Silicon reactant contains at
	IIIA metal		least one halogen atom bonded to a carbon atom which carbon
17	Material contains a Group IVB		atom is not an acyl halide
1.0	metal atom		carbon atom
18	Material contains a Group IVA		
	metal atom		

528 - 2 CLASS 528 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

37	Reactant contains a silicon atom as a ring member of a	55	Material contains at least one metal atom
2.0	cyclic compound	56	Material contains a
38	Silicon reactant contains an		transition metal atom
2.0	amine nitrogen atom	57	Material contains at least
39	With silicon reactant which is free of any silicon to carbon		one group IA or group IIA metal atom
	bond	58	Material contains at least
40	Silicon reactant contains a		one atom of tin
	fused, bridged, or	59	From N=C=X reactant having at
	cycloaliphatic ring		least two -C-NH-C(=X)- groups
41	Silicon containing carboxylic	60	With reactant compound
	acid or derivative or from a		containing three or more XH, -
	silicon derivative of a		C(=X)-XH, $-NH$, $=NH$, or HNH
	nonsilicon containing		groups or combination thereof
4.0	carboxylic acid	61	With organic nitrogen reactant
42	Silicon reactant contains at		which contains two NH, =NH, or
	least one halogen atom bonded		HNH groups
	to a carbon atom which carbon	62	Organic NH, =NH, or HNH
	atom is not an acyl halide carbon atom		nitrogen-containing reactant
4.2	***************************************		contains a heterocyclic ring
43	Silicon reactant contains an	63	Organic NH, =NH, HNH nitrogen
44	aryl group .FROM REACTANT HAVING AT LEAST		reactant contains at least one
44	ONE -N=C=X GROUP (WHEREIN X IS	<i>C</i> 4	halogen atom
	A CHALCOGEN ATOM) AS WELL AS	64	Organic NH, =NH or HNH
	PRECURSORS THEREOF, E.G.,		nitrogen reactant contains a
	BLOCKED ISOCYANATE, ETC.	6 F	carbocyclic or aromatic ring
45	From at least one blocked -	65	With reactant having two -XH
13	N=C=X group		groups
48	Process of polymerizing in the	66	Reactant having two -XH groups contains two or more -
	presence of a specified		C-X-C- groups or two or more
	material other than reactant		carboxylic acid ester groups
49	Material contains only one -C-	67	From two or more reactants
	XH, -C-C(=X)-XH or carbon to -	0 7	containing -N=C=X groups
	NH or HNH group	68	With organic compound reactant
50	Material contains compound	00	containing at least two NH,
	having a -0-0- group, e.g.,		HNH or =NH groups and wherein
	peroxide, etc.		the reactant composition is
51	Material contains a phosphorus		devoid of $-C-XH$, $-C(=X)XH$ or
	atom		anhydride
52	Material is organic nitrogen-	69	Reactant contains a single -
	containing compoud		N=C=X group
53	Organic nitrogen compound	70	Reactant contains a fluorine
	contains a nitrogen atom		atom
	bonded to three atoms or	71	Reactant contains at least one
	carbon		salt group, e.g., quaternary
54	Nitrogen compound wherein		ammonium salt, etc.
	nitrogen atom is bonded to	72	Reactant contains at least one
	three atoms of carbon contains		phosphorus atom
	a bridged- or fused-ring	73	Reactant contains at least one
	system, e.g., triethylene		heterocyclic ring
	diamine, etc.	74	Reactant contains at least one
			bridged- or fused-ring system



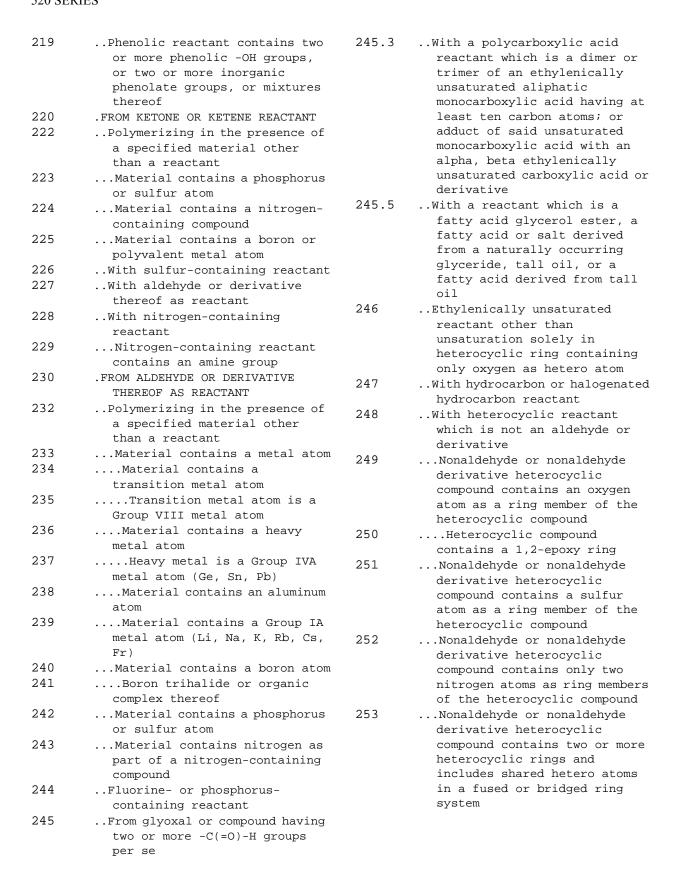
528 - 4 CLASS 528 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

108	Non-1,2-epoxy, or nonphenolic reactant is a phosphorus-	119	Non-1,2-epoxy or nonphenolic reactant contains one or more
109	containing materialNon-1,2-epoxy, or nonphenolic reactant is a sulfur-	120	nitrogen atomsTwo or more nitrogen- containing reactants
110	<pre>containing materialNon-1,2-epoxy, or nonphenolic reactant is an alcohol,</pre>	121	<pre>Nitrogen reactant contains at least one amino-nitrogen atom</pre>
111	<pre>inorganic alcoholate, or etherNitrogen-containing alcohol, inorganic alcoholate, or ether</pre>	122	Nitrogen reactant having at least one amino-nitrogen atom contains a cycloaliphatic ring
111.3	Non 1,2-epoxy or nonphenolic reactant which is a dimer or trimer of an ethylenically unsaturated aliphatic	123	Nitrogen reactant having at least one amino-nitrogen atom contains three or more nitrogen atoms
	<pre>monocarboxylic acid having at least ten carbon atoms; or adduct of said unsaturated monocarboxylic acid with an</pre>	124	Nitrogen reactant having at least one amino-nitrogen atom contains at least one aryl group
	alpha, beta ethylenically unsaturated carboxylic acid or derivative	125	From ketone-containing phenolic reactant or with ketone-containing reactant
111.5	<pre>Non 1,2-epoxy or nonphenolic reactant which is a fatty acid glycerol ester, a fatty acid</pre>	126	Polymerizing in the presence of a specified material other than reactant
	or salt derived from a naturally occurring glyceride, tall oil, or a fatty acid	127	<pre>With nonketone- or nonphenolic-aldehyde or derivative as a reactant</pre>
112	derived from tall oilNon-1,2-epoxy or nonphenolic	128	With nonphenolic or nonketone reactant
	<pre>reactant is a carboxylic acid, salt thereof, or carboxylic acid anhydride</pre>	129 137	<pre>With aldehyde or derivativePolymerizing in the presence of a specified material other</pre>
113	With nitrogen-containing reactant		than a reactant
114	Nitrogen-containing	138	Material contains a boron atom
	carboxylic acid, salt thereof, or anhydride, or nitrogen-	139	Material contains an aluminum or heavy metal atom
	containing salt of a non- nitrogen-containing carboxylic acid	140	Material contains a Group IIA metal atom (Be, Mg, Ca, Sr, Ba, Ra)
115	<pre>At least two carboxylic acids, salts thereof, or</pre>	141	Material contains a phosphorus atom
	carboxylic acid anhydrides, or mixtures thereof	142	Material contains an alcohol, inorganic alcoholate, or ether
116	<pre>Non-1,2-epoxy or nonphenolic reactant contains a heterocyclic ring</pre>	143	Material contains a sulfur atom
117	Five-membered heterocyclic ring contains at least one	144	<pre>Material contains a carboxylic acid, anhydride thereof, ester thereof, or</pre>
118	nitrogen atom as a ring memberSix-membered heterocyclic ring contains at least one nitrogen atom as a ring member	145	<pre>salt thereofMaterial contains a nitrogen compound</pre>

146	Nitrogen-containing material contains a nitrogen atom directly bonded to a carbon atom	161	With at least one reactant which is other than an aldehyde or derivative and which contains a carboxylic
147	Material contains a Group IA metal atom (Li, Na, K, Rb, Cs, Fr)	162	<pre>acid, anhydride thereof, salt thereof, or ester thereofWith nitrogen-containing</pre>
148	Phenolic reactant contains a carboxylic acid or carboxylic	163	reactantNitrogen-containing reactant
149	acid salt groupPhenolic reactant contains a	100	is a heterocyclic ring compound containing at least
150	nitrogen atomPhenolic reactant contains a		one nitrogen atom as a ring member or is nitrogen-
	sulfur atom	164	containing aromatic compound
151	Phenolic reactant contains a halogen atom directly bonded	104	Nitrogen-containing reactant contains the -N-C(=0)-N- group
	to a nuclear carbon atom of the benzene-oxygen group	165	Aldehyde or derivative is sole coreactant
152	Phenolic reactant contains an ethylenically unsaturated	166	<pre>Aluminum- or heavy metal- containing reactant</pre>
	group	167	Phosphorus-containing reactant
153	Phenolic reactant contains at	168	Nitrogen-containing reactant
200	least two ring moieties	169	Halogen-containing reactant
	(includes fused or bridged	170	Imide-containing reactant
	ring system)	171	Sulfur reactant contains sulfur
154	Phenol ether	1/1	directly bonded to oxygen
155	Two distinct phenolic	172	
133	reactants or two or more hydroxy groups or phenate groups bonded to nuclear carbon atoms of the same	1/2	Nitrogen-containing compound is a reactant other than wherein nitrogen is solely present as a carboxylic acid
	benzene ring	100	derivative
156	_	173	Carboxylic acid or derivative
156	Two or more aldehydes or derivatives	174	is a reactant
157	Aldehyde or derivative is	1/4	Halogen-containing material is a reactant
1 - 0	ethylenically unsaturated	175	Reactant contains a
158	With at least one nonaldehyde		(0=)S(=0)-halo group
	phosphorus- or sulfur- containing reactant	176	With polycarboxylic acid or derivative as reactant
158.5	With a reactant which is a fatty acid glycerol ester, a fatty acid or salt derived from a naturally occurring glyceride, tall oil, or a	179	Polymerizing in the presence of a specified material other than a reactant and other than Group IA or Group IIA material as sole metal atom
	fatty acid derived from tall oil	180	Material contains a metal atom
159	With an ethylenically unsaturated reactant	181	At least one transition metal atom
160	With reactant having only carbon and hydrogen atoms or	182	Material is a nitrogen- containing compound
	only carbon, hydrogen, and halogen atoms	183	Nitrogen reactant contains at least one amino-nitrogen atom

528 - 6 CLASS 528 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

184	Nitrogen reactant having at least one amino-nitrogen atom contains a carboxylic acid group or is a derivative thereof	201	Fused- or bridged-ring- containing reactant other than solely as a polycarboxylic acid anhydride group Reactant contains a halogen
185	Phenolic reactant contains at least two aryl rings and two diverse phenolic to oxygen		atom other than solely as halogen bonded to a carbonyl group
186	bondsNitrogen reactant contains at	203	Reactant contains a nitrogen atom
	least three amino-nitrogen	204	Two or more phenolic reactants
	atoms bonded to one or more carbon atoms	205	Ethylenically unsaturated reactant
187	At least one reactant contains three or more carboxylic acid groups or is	206	Phenolic reactant contains at least one carboxylic acid group or is derivative thereof
	derivative thereof	207	Polymerizing in the presence
188	Reactant contains three or more carboxylic acid groups or is derivative thereof		of a specified material other than a reactant and other than Group IA or Group IIA material
189	Two or more polycarboxylic		as sole metal atom
	acids or derivatives or	208	Nitrogen-containing reactant
	mixtures thereof	209	With nonphenolic compound
190	Reactant contains a fused- or bridged-ring other than solely as a polycarboxylic acid		having at least two hydroxyl groups or salts thereof as reactant
	anhydride group	210	Phenolic reactant contains a
191	Reactant contains a halogen	210	nitrogen atom
	atom other than solely as	211	_
	halogen atom bonded to a carbonyl group		With nitrogen-containing reactant
192	Ethylenically unsaturated	212	Phenolic reactant contains a
193	reactantTwo or more phenolic reactants		single phenolic -OH group or a single inorganic phenolate
	-		thereof
194	Two or more polycarboxylic acids or derivatives as reactants	214	Polymerizing in the presence of a specified material other than a reactant and other than
195	Reactant is a nonphenolic compound having at least two		Group IA or Group IIA material as sole metal atom
	hydroxyl groups or salts thereof	215	<pre>Material is a nitrogen- containing compound</pre>
196	<pre>With reactant having halo- C(=0)-halo, halo-C(=0)-0-, or -0-C(=0)-0- group</pre>	216	<pre>Nitrogen-containing material is a heterocyclic compound containing at least one</pre>
198	Polymerizing in the presence		nitrogen atom as a ring member
	of a specified material other than a reactant and other than	217	Material contains a metal atom
	Group IA or Group IIA material as sole metal atom	218	Two or more phenolic reactants
100			each of which contains a
199	Material is a nitrogen- containing compound		<pre>single -OH group or inorganic phenolate group, or with a</pre>
200	Material contains a metal atom		compound containing a single ether oxygen atom bonded to two discrete aryl rings



528 - 8 $\,$ CLASS 528 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

254	Nonaldehyde or nonaldehyde derivative heterocyclic reactant contains a six membered ring having three nitrogen and three carbon	269 270	Nitrogen-containing nonaldehyde or nonaldehyde derivative contains a single organic amine groupFrom aldehyde or aldehyde
255	atoms as ring membersSulfur-containing heterocyclic compound having three nitrogen and three		derivative as sole reactant (includes copolymer of only aldehydes or aldehyde derivatives)
256	carbon atomsWith reactant containing	271	.FROM CARBOXYLIC ACID OR DERIVATIVE THEREOF
230	>NC(=0)- or >N-C(=S)- group, e.g., urea, etc.	272	From di- or higher ester of a polycarboxylic acid as sole
257	With reactant containing at least one noncyclic carbon atom bonded to at least three atoms of nitrogen, e.g., dicyanodiamide, etc.		reactant, or from a polycarboxylic acid or derivative with a compound containing two or more hydroxyl groups or salts
258	Six-membered heterocycle is other than melamine per se or	274	thereofPolymerizing in the presence
259	methylol derivative thereof With >N-C(=X)-N< -containing		of a specified material other than reactant
	reactant wherein X is a	275	Material contains a metal
	chalcogen atom		atom
260	Two or more $>N-C(=X)-N<$	276	\ldots Metal atom in elemental form
0.61	containing reactants	277	Material contains a
261	At least one reactant is a	0.7.0	transition metal atom
	<pre>nonaldehyde or nonaldehyde derivative, non- >N C(=X)-N< - containing reactant</pre>	278	Metal atom has atomic number of 57-71, or 89 and higher
262	Nonaldehyde reactant, non->N- $C(=X)-N<$ reactant contains a	279	Material contains a Group IVB metal atom (Ti, Zr, Hf)
	nitrogen atom	280	Material contains a Group
263	Non- >N-C(=X)-N< nitrogen reactant is an organic		VIII metal atom (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt)
	compound containing two or more amino groups	281	Material contains a Group IIB metal atom (Zn, Cd, Hg)
264	\dots N-C(=X)-N< reactant is other	282	Material contains a Group
265	than urea or thiourea per se		IIIA metal atom (Al, Ga, In,
265	Sulfur-containing reactant	202	Tl)
266	With nonaldehyde or nonaldehyde derivative nitrogen-containing compound	283	IVA metal atom (Ge, Sn, Pb)
267	Nitrogen-containing	284	Material contains a lead
207	nonaldehyde or nonaldehyde	205	atom
	derivative contains a nitrile	285	Material contains a Group VA metal atom (As, Sb, Bi)
	group	286	Material contains a
268	Nitrogen-containing	200	phosphorus atom
	nonaldehyde or nonaldehyde	287	Phosphorus-containing reactant
	derivative contains three or	288	Nitrogen-containing reactant
	more nitrogen atoms bonded to	289	Final product contains
	the same carbon atom, e.g., dicyanodiamide, etc.		nitrogen atom as a member of a heterocyclic ring
		290	Sulfur-containing reactant

291	Nitrogen-containing polyhydroxy compound or salt	304	Aryl-containing carboxylic acid or derivative of an aryl-
292	of a nitrogen-containing polyhydroxy compoundNitrogen-containing polycarboxylic acid or	305	containing carboxylic acidEach of the carboxylic acids or derivatives contains an aryl group
293	nitrogen-containing polycarboxylic acid derivativeSulfur-containing reactant	306	Ethylenically unsaturated carboxylic acid or derivative of an ethylenically
294	Sulfur-containing polyhydroxy compound or salt of a sulfur-	307	unsaturated carboxylic acidCycloaliphatic ring-containing
295	containing polyhydroxy compound	308	reactant (other than aryl)Aryl-containing carboxylic
	Sulfur-containing aryl compound		acid or derivative of an aryl- containing dicarboxylic acid
295.3	Polycarboxylic acid reactant which is a dimer or trimer of	308.1	Polyethylene Terephthalate per se
	an ethylenically unsaturated aliphatic monocarboxylic acid	308.2	Physically after-treated solid polymer
	having at least ten carbon	308.3	Processes of preparing
	atoms; or adduct of said unsaturated monocarboxylic	308.4	In presence of hydrocarbon, steam or water
	<pre>acid with an alpha, beta ethylenically unsaturated carboxylic acid or derivative</pre>	308.5	At least two claimed distinct temperature or
295.5	Reactant which is a fatty acid glycerol ester, a fatty acid	308.6	<pre>pressure gradientsContains terephthalic acid or substituted forms thereof</pre>
	or salt derived from a naturally occurring glyceride, tall oil, or a fatty acid	308.7	Derived from at least two reactants simultaneously containing a C-OH group
006	derived from tall oil	308.8	Processes of preparing
296	Reactant contains three or more carboxylic acid groups or is derivative thereof	309.1	At least two claimed distinct temperature or
297	1,2-epoxy containing reactant	310	pressure gradientsFrom imide- or lactam-
298	Fused- or bridged-ring- containing reactant other than solely as cyclic acid anhydride group	310	containing compound, or from an amino-nitrogen containing carboxylic acid, or derivative of an amino-nitrogen-
299	Halogen-containing reactant		containing carboxylic acid
	other than solely as halogen atom bonded to a carbonyl group	312	Polymerizing in the presence of a specified material other
300	Polyhydroxy-containing compound or salt thereof	313	than reactantMaterial contains a phosphorus or sulfur atom
	having an ether-oxygen atom as reactant	314	Material contains a nitrogen
301 302	Acyclic ether-oxygen compoundTwo or more carboxylic acid or derivatives or mixtures		atom as a ring member of a heterocyclic ring other than where nitrogen heterocycle is
303	<pre>thereofEthylenically unsaturated carboxylic acid or</pre>	315	solely part of a lactam ringMaterial is a nitrogen- containing compound other than
	ethylenically unsaturated derivative	316	<pre>a lactamMaterial is a ketone, aldehyde, or derivative</pre>

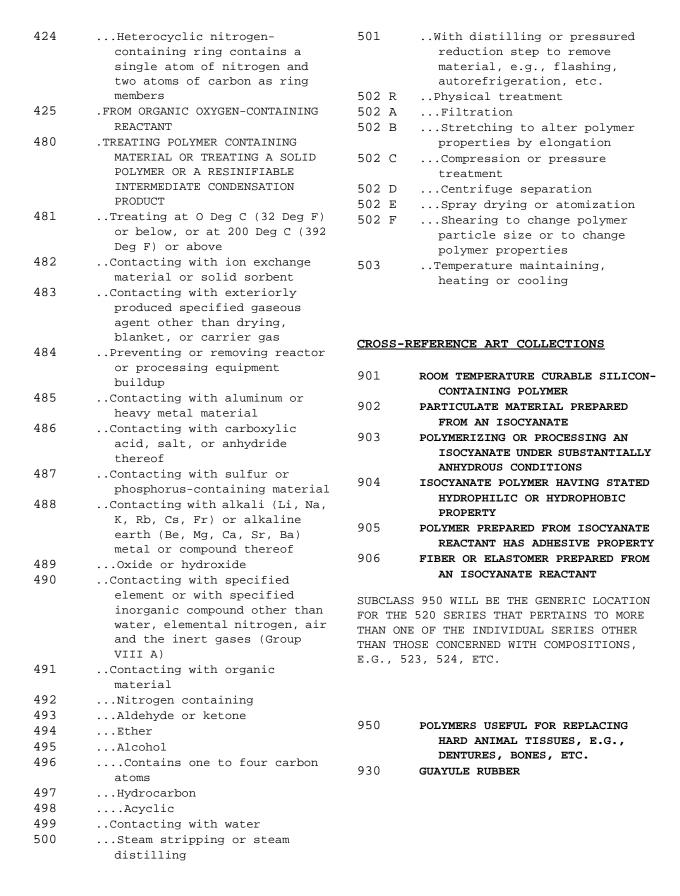
528 - 10 CLASS 528 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

317	Material is an alcohol, ether, or inorganic alcoholate	336	<pre>Polymerizing in the presence of a specified material</pre>
318	<pre>Material is a carboxylic acid, acyl halide thereof,</pre>	337	Phosphorus- or sulfur- containing reactant
	ester thereof, or lactone	338	From at least two
	thereof	330	dicarboxylic acids or
319	Material contains a		derivatives or mixtures
	polyvalent metal atom		thereof and at least two
320	Material contains a silicon		organic polyamines
	atom	339	From at least two
321	Phosphorus- or sulfur-		dicarboxylic acids or
	containing reactant		derivatives or mixtures
322	Imide-containing reactant	220.2	thereof
323	Lactam-containing reactant	339.3	Polycarboxylic acid reactant which is a dimer or trimer of
324	With two or more reactants		an ethylenically unsaturated
	one of which is a carboxylic acid or derivative and one of		aliphatic monocarboxylic acid
	which is an organic compound		having at least ten carbon
	containing at least two amino		atoms; or adduct of said
	nitrogen atoms		unsaturated monocarboxylic
325	Two or more lactam reactant		acid with an alpha, beta
	or with an amino-containing		ethylenically unsaturated
	carboxylic acid or derivative	222 5	carboxylic acid or derivative
	of an amino-containing	339.5	Reactant which is a fatty
	carboxylic acid		<pre>acid glycerol ester, a fatty acid or salt derived from a</pre>
326	Lactam reactant contains 3-5		naturally occurring glyceride,
	or 12 or more carbon atoms in		tall oil, or a fatty acid
327	the lactam ringHeterocyclic reactant or a		derived from tall oil
341	reactant which contains a	340	From at least two organic
	nitrogen atom bonded directly		polyamines
	to another nitrogen atom	341	Heterocyclic-containing
328	From N-C-(C=O)-OH containing		reactant other than cyclic
	reactant or acid derivative		acid anhydride as sole hetero
	thereof, e.g., alpha amino	2.4.0	ring
	acid, etc.	342	From reactant containing at
329.1	With two or more reactants one		<pre>least three amino-nitrogen- containing groups or with a</pre>
	of which is a carboxylic acid		carboxylic acid containing at
	or derivative thereof which is		least three carboxylic acid
	devoid of an amine group and one reactant which is a		groups or deivatives thereof
	polyamine which is devoid of a	343	Carboxylic acid containing
	carboxylic acid group or		(C=0)-(C=0) or is a derivative
	carboxylic acid derivative		thereof, e.g., oxalic acid,
	group		etc.
330	Cycloaliphatic ring-containing	344	Bridged- or fused-ring-
	reactant		containing reactant other than as anhydride fused to a
331	Aryl-containing reactant		nonfused- or bridged-ring
332	With organic amine, or from		system
	organic amine salt of a	345	Ethylenically unsaturated
335	carboxylic acidFrom dicarboxylic acid or		reactant
ررر	derivative thereof and an	346	Cycloaliphatic ring-
	organic amine, or from an		containing reactant
	organic amine salt of a	347	Aryl ring-containing reactant
	dicarboxylic acid		

348	All reactants contain at least one aryl ring	365	With reactant containing at least one cyclic ether group
349	Reactant contains three carbon atoms directly bonded	366	Contains a single 1,2-epoxy
	-	268	group
	to a single carbon atom	367	.FROM REACTANT HAVING A NITROGEN
350	From carboxylic acid having		ATOM DIRECTLY BONDED TO THE
	three or more carboxylic acid		CARBON ATOM OF A CARBONYL
	groups or derivatives thereof,		GROUP, I.E., $N-C(=0)-$
	and an organic amine, or from	368	Polymerizing in the presence of
	an organic amine salt of a		a specified material other
	tri-or higher carboxylic acid		than a reactant
351	Polymerizing in the presence	369	N-C(=0)-OH containing reactant
	of a specified material other	303	or ester, salt, anhydride, or
	than a reactant		acyl halide thereof
352	Phosphorus- or sulfur-	370	.FROM REACTANT HAVING A HALOGEN
332	containing reactant	370	ATOM OR OXYGEN SINGLE BONDED
353	Carboxylic acid contains at		
333	least four carboxylic acid		TO A CARBONYL GROUP, E.G.,
	-	251	HALO-C(=O)-, -O-C(=O)-O, ETC.
	groups or is a derivative of a	371	Polymerizing in the presence of
	carboxylic acid containing at		a specified material other
254	least four carboxylic groups		than a reactant
354	From compound having -C-C(=0)-	372	Reactant contains a halogen
	O-C- group as part of a		atom directly bonded to a
	heterocyclic ring, e.g.,		carbon atom of a carbonyl
255	lactone, etc.		group, i.e., $halo-C(=0)-$
355	Polymerizing in the presence	373	.FROM SULFUR-CONTAINING REACTANT
	of a specified material other	374	From mercaptan or mercaptide-
	than a reactant		containing reactant
356	Material contains a	375	Two or more mercaptan or
	phosphorus or sulfur atom		mercaptide reactants, or
357	Material contains a metal		mixture thereof, or with
	atom		additional reactant-containing
358	Material contains a Group IA		sulfur
	(Li, Na, K, Rb, Cs, Fr) or	376	With ethylenically unsaturated
	Group IIA metal atom (Be, Mg,		reactant
	Ca, Sr, Ba, Ra)	377	From heterocyclic compound
359	Heterocyclic ring compound is		containing a sulfur atom as a
	a four-membered ring		ring member
	containing one oxygen and	378	Polymerizing in the presence
	three carbon atoms -C-C(=0)-O-		of a specified material other
	C-		than a reactant
360	From sulfur-containing	379	Material contains a Group IA
	carboxylic acid		(Li, Na, K, Rb, Cs, Fr) or
361	From ether, metal alcoholate,		Group IIA metal atom (Be, Mg,
	or alcohol group-containing		Ca, Sr, Ba, Ra)
	carboxylic acid; or from a	380	Heterocyclic reactant contains
	derivative of a carboxylic		a ring composed solely of
	acid which derivative contains		carbon atoms and a single
	an ether, metal alcoholate, or		sulfur atom
	alcohol group	381	From inorganic sulfur-
362	From organic nitrile group-		containing reactant
	containing compound	382	Sulfur dioxide is a reactant
363	With nitrogen-containing	383	Polymerizing in the presence
	reactant		of a specified material other
364	With sulfur-containing reactant		than a reactant

528 - 12 CLASS 528 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

384	Material contains a metal	406	Heterocyclic reactant contains at least two heterocyclic
385	Material is free oxygen, peroxide, air, or ozone		rings having oxygen, selenium or tellurium as ring members
386	With reactant containing only hydrogen and carbon atoms	407	Reactant which is devoid of a heterocyclic ring containing
387	Carbon disulfide or hydrogen sulfide is reactant		oxygen, selenium or tellurium as ring atoms, contains at
388	Inorganic sulfur reactant	400	least one nitrogen atom
	contains at least one metal atom or contains an ammonium ion	408	Polymerizing in the presence of a specified material other than a reactant
389	Elemental sulfur is reactant	409	Material contains a metal atom
390	From organic reactant	410	Material contains a
	containing a -C(=S)-group		transition metal atom
391	From organic reactant	411	Material contains a Group
	containing a sulfur to oxygen		IVB metal atom (Ti, Zr, Hf)
	bond, e.g., $-S(=0)$, etc.	412	Material contains a Group
392	.POLYMER OF AN ETHYLENICALLY		VIII metal atom (Fe, Co, Ni,
	UNSATURATED REACTANT WITH A	410	Pd, Ru, Os, Ir, Rh, Pt)
	SATURATED REACTANT	413	Material contains a Group IIA
393	At least one reactant contains		metal atom (Be, Mg, Ca, Sr,
	a three-membered heterocyclic	414	Ba, Ra)Material contains a Group IIB
	ring having two carbon and one oxygen atoms, e.g., oxirane,	111	metal atom (Zn, Cd, Hg)
	etc.	415	Material contains at least
394	.FROM BORON-CONTAINING REACTANT		two diverse metal atoms either
395	.FROM ALUMINUM- OR HEAVY METAL- CONTAINING REACTANT		in the same compound or in different compounds
396	.FROM HYDROCARBON REACTANT	416	Material contains a Group
397	.FROM HALOGENATED HYDROCARBON REACTANT		IIIA metal atom (Al, Ga, In, Tl)
398	.FROM PHOSPHORUS-CONTAINING	417	Reactant contains a single
	REACTANT		hetero-atom in a ring and at
399	Phosphorus reactant contains a nitrogen atom		<pre>least three carbon atoms, e.g., oxetane, etc.</pre>
400	With alcohol or alcoholate reactant	418	Reactant contains two or more rings each of said rings
401	.FROM FLUORINE-CONTAINING REACTANT		having a single oxygen and two carbon atoms
402	Fluorine reactant contains a	419	Two or more heterocyclic
	heterocyclic ring having a -C- O-C- group as part of the		reactants containing rings of one oxygen and two carbon atoms
402	hetero ring atoms	420	Reactant has a three-membered
403	.FROM HETEROCYCLIC REACTANT CONTAINING AS RING ATOMS		ring of oxygen and two carbon and contains a nitrogen atom
	OXYGEN, SELENIUM OR TELLURIUM, E.G., EPOXY, ETC.	421	Reactant has a three-membered
405	With reactant which is devoid		ring containing oxygen and two
	of a heterocyclic ring	422	carbon atoms, i.e., 1,2-epoxy .NITROGEN-CONTAINING REACTANT
	containing oxygen, selenium or	422	Reactant contains nitrogen as a
	tellurium atoms as ring members	443	ring member of a heterocyclic ring



528 - 14 CLASS 528 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

931	PHYSICAL TREATMENT OF NATURAL RUBBER OR NATURAL RUBBER CONTAINING MATERIAL OR CHEMICAL TREATMENT OF NON-RUBBER PORTION THEREOF, E.G., EXTRACTION OF RUBBER FROM MILK WEED, ETC.
932	Protein removal or conversion
933	.Resin removal or conversion
934	.Latex
935	Preserving or stabilizing
936	Coagulating
937	<pre>Concentrating, e.g., creaming, etc.</pre>

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